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FIG. 1

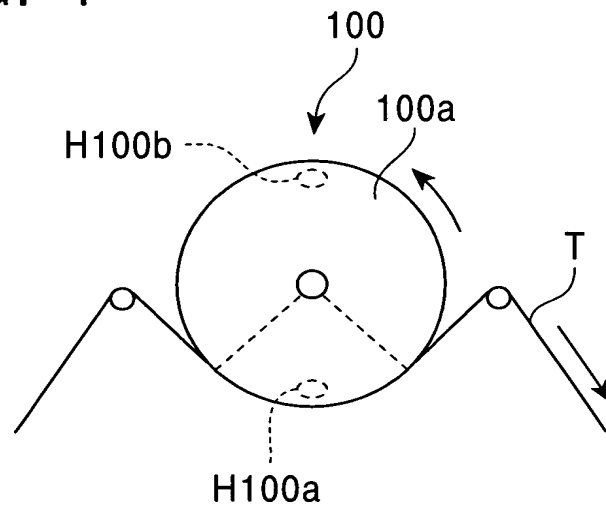
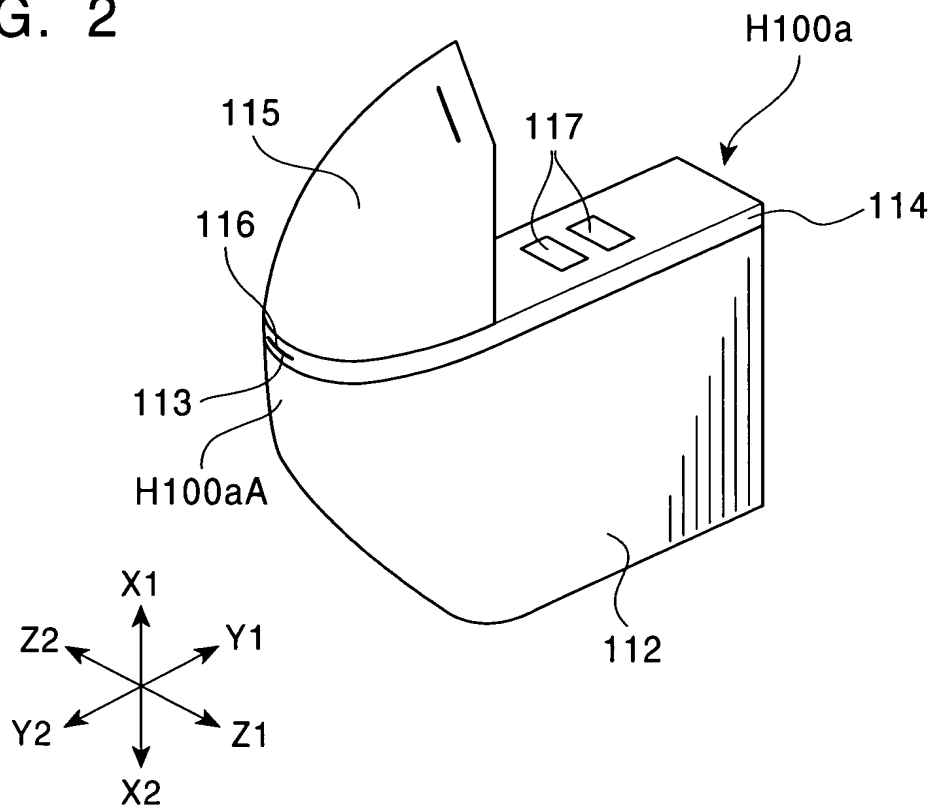


FIG. 2



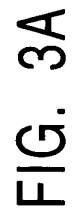
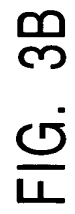
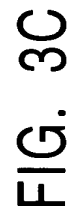
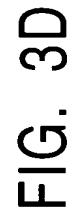
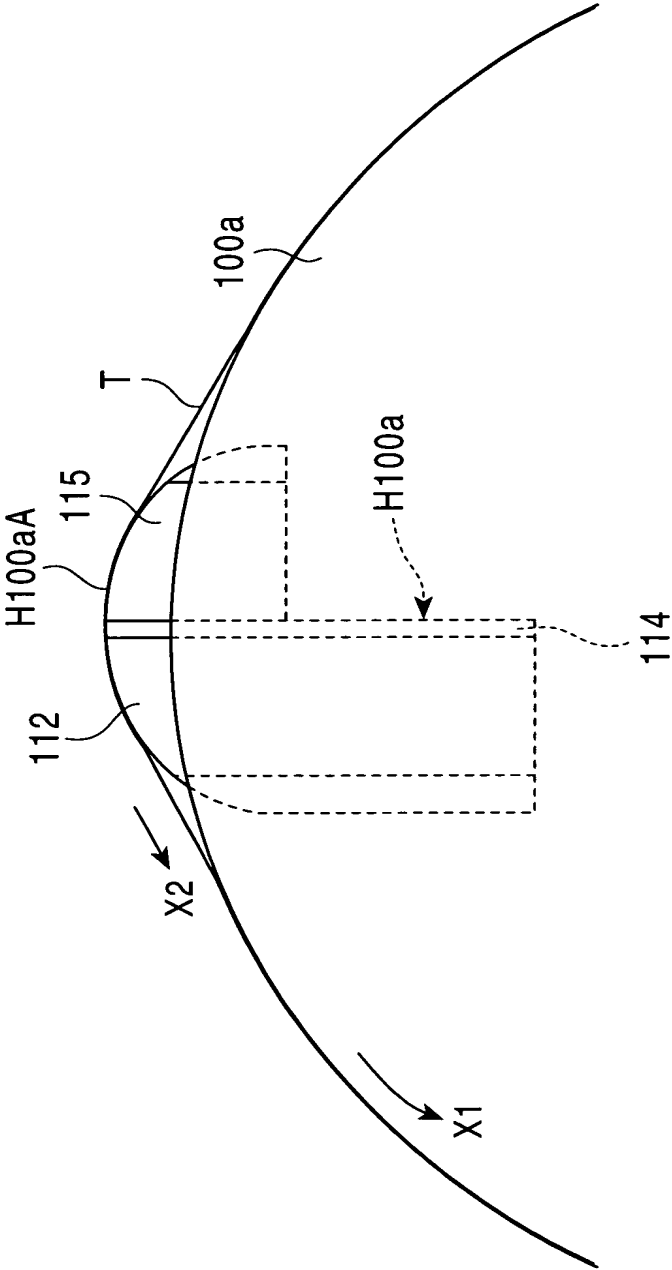


FIG. 4





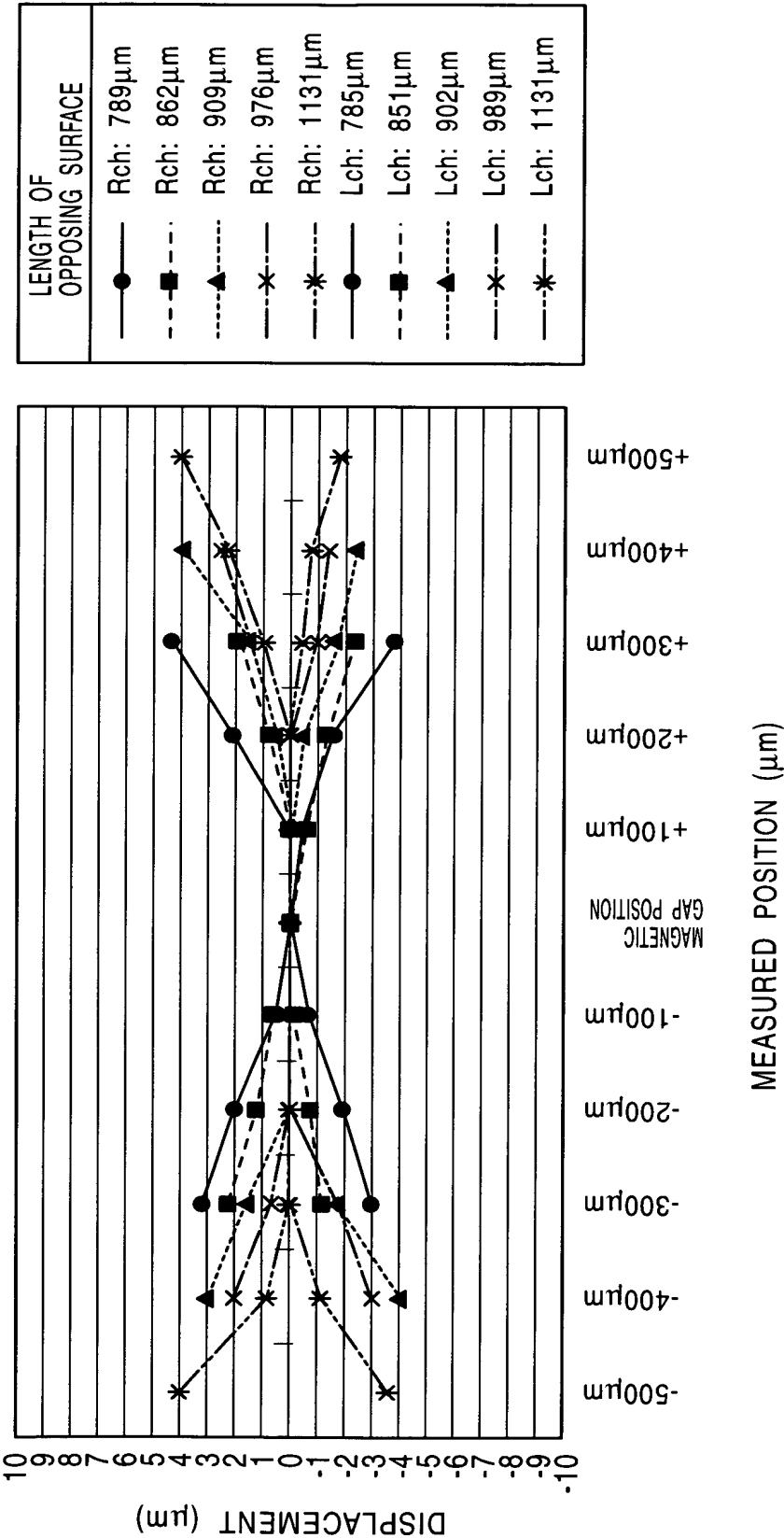
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FIG. 6

	MEASURED POSITION										
	LENGTH OF OPPOSING SURFACE	-500μm	-400μm	-300μm	-200μm	-100μm	MAGNETIC GAP POSITION				
	Rch: 789μm			-3.0	-1.8	-0.6	0.0	0.0	2.2	4.4	
	Rch: 862μm			-1.2	-0.8	0.0	0.0	0.0	0.8	2.0	
	Rch: 909μm		-4.0	-1.6	0.0	0.0	0.0	0.0	0.8	1.6	4.0
	Rch: 976μm		-3.0	-1.6	0.0	0.0	0.0	0.0	0.6	1.6	2.6
	Rch: 1131μm	-3.6	-1.1	0.0	0.0	0.0	0.0	0.0	0.4	1.0	2.4
	Lch: 785μm			3.2	2.0	0.5	0.0	-0.4	-1.6	-3.8	
	Lch: 851μm			2.4	1.2	0.6	0.0	-0.6	-1.4	-2.4	
	Lch: 902μm		3.0	1.6	0.0	0.0	0.0	0.0	-0.4	-1.8	-2.4
	Lch: 989μm		2.0	0.6	0.0	0.0	0.0	0.0	0.0	-1.0	-1.4
	Lch: 1131μm	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.8
											-1.8

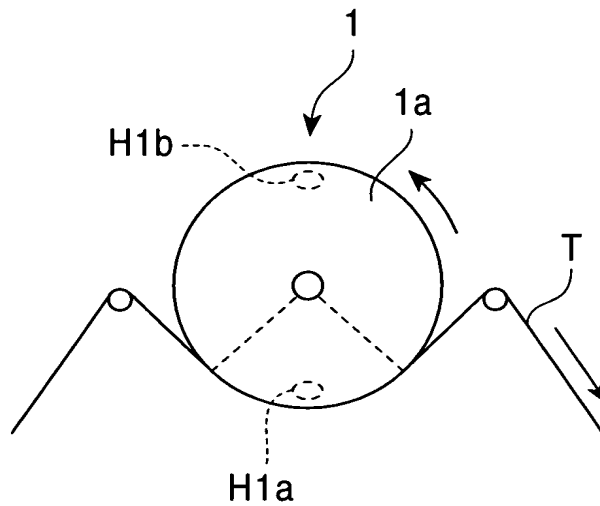
UNIT (μm)

FIG. 7



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**FIG. 8**  
PRIOR ART



**FIG. 9**  
PRIOR ART

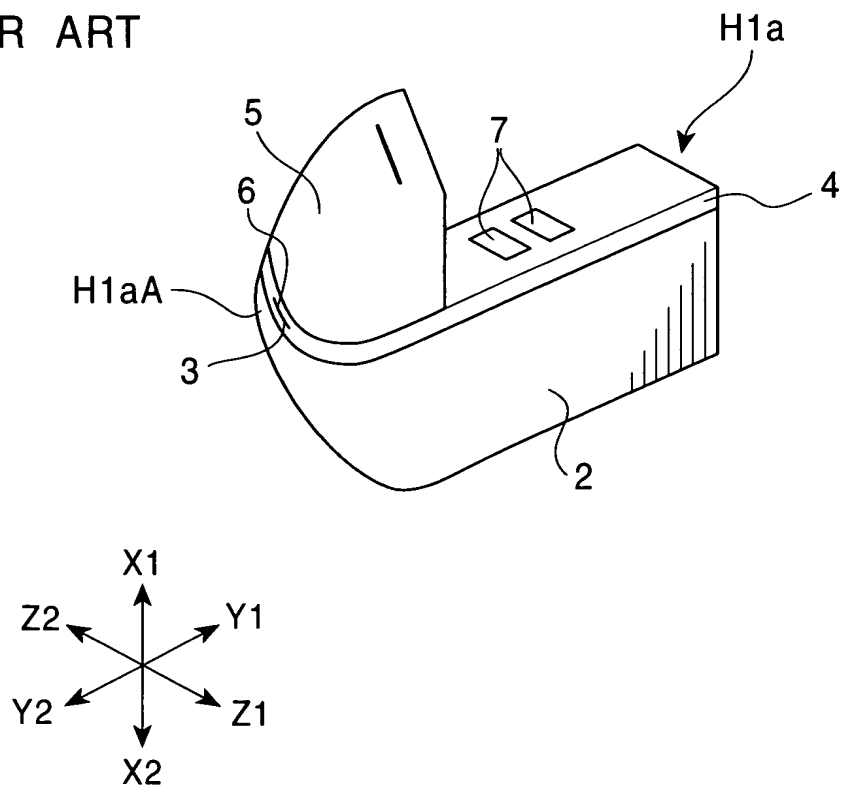


FIG. 10A  
PRIOR ART

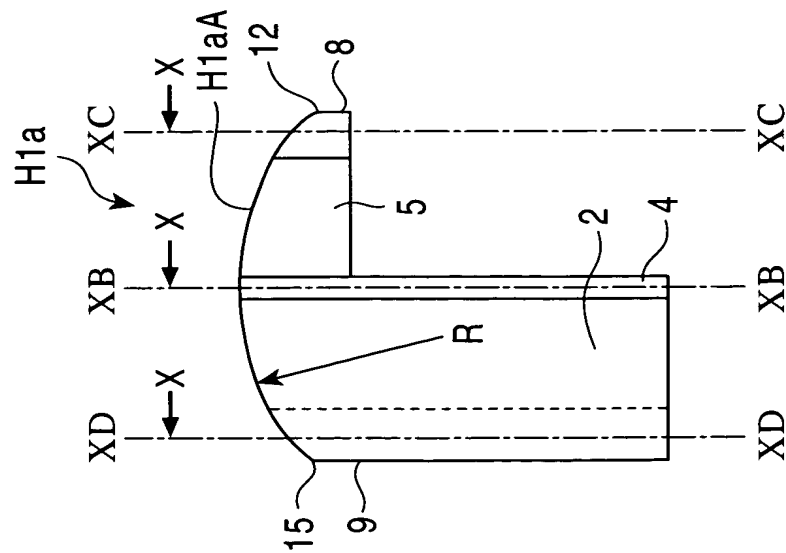


FIG. 10B  
PRIOR ART

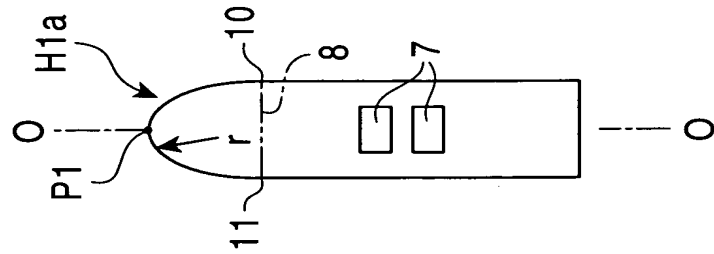


FIG. 10C  
PRIOR ART

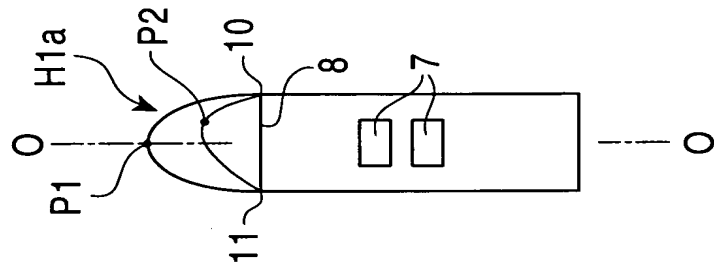


FIG. 10D  
PRIOR ART

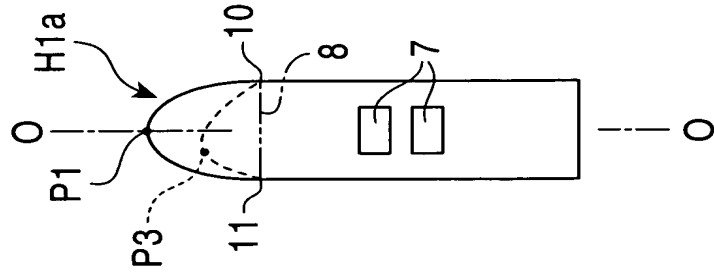




FIG. 11  
PRIOR ART

